

Qlik Compose for Data Warehouses 6.5 Release Notes - November 2019

This document describes the new features and enhancements provided in this release of Qlik Compose for Data Warehouses, and lists the resolved and known issues in this version.

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Attunity Product Compatibility

Attunity Compose for Data Warehouses 6.5 is compatible with the following Attunity products only:

- » **Attunity Replicate:** Versions 5.5, 6.5, 6.4, and 6.3 during the grace period
- » **Attunity Enterprise Manager (AEM):** Version 6.5

Features and Enhancements

- » **Project Documentation:** To prevent sensitive data from being visible in the project documentation, you can now exclude specific sections from being displayed. These sections include information relating to the Model, ETL Sets, Data Mart Sets, Databases.
- » **Environment Banner:** It is now possible to display a banner with the environment title (name) at the top of the project window. This allows Compose designers to see the project environment (Development, Test, Acceptance, Production, or Other) at a glance and edit the project accordingly.

The environment title and name can be specified either when adding a new project or in the new **Environment** tab in the project settings.

» Performance:

- » Significantly improved performance when performing Full Load of large data sets to Microsoft Azure SQL Data Warehouse.
- » Improved UI performance when selecting Facts and Dimensions for a Star Schema.

» Diagnostics Package: Added an option to download a diagnostics package when advanced troubleshooting is required. The new option appears as "Create Diagnostics Package..." in the **Project** menu.

» Preserve Column Names: In previous versions, when discovering columns with identical names (in different tables), the attribute name in Compose would be given a numerical suffix (e.g. column **id** would become **id_01**, **id_02**, and so forth). From this version, the attribute name in Compose will be identical to the source column name, regardless of how many columns with the same name exist in the source.

Support for Silent Installation

Attunity Compose for Data Warehouses can now be installed silently (i.e. without requiring user interaction). This is useful if, for example, you need to install the product on several machines throughout your organization. Silent upgrade and uninstallation are also supported.

Deprecated Databases

- » Teradata is no longer a supported database as a Source or Data Warehouse endpoint.

Resolved Issues and Customer Requested Enhancements

The following are the resolved issues and customer requested enhancements in this release:

Component/Process	Type	Description	Ref #
Data Marts - Microsoft SQL Server	Issue	When dimension data arrived late, the place holder dimension record would not be updated with the data. Important: This was tested with Microsoft SQL server only.	197335
Change Processing	Issue	Entity relationships would not be handled properly during Change Processing tasks.	193368
Reusable Transformations	Issue	Changes would not be saved when updating information in Reusable Transformations.	193536
Data Marts UI	Enhancement	See Qlik Compose for Data Warehouses 6.5 Release Notes - November 2019 .	191940
Model (ERwin Import)	Issue	Attempting to import an ERwin XML file would generate the following error: <code>Xml file is not valid, Error: Nullable object must have a value.</code>	188419

Component/Process	Type	Description	Ref #
Mappings	Issue	<p>When two users would try to edit the same mapping concurrently, the changes of the first user would be overwritten by the changes of the second user.</p> <p>Now, in order to avoid overwriting each other's changes, the second user will receive the following warning:</p> <p>The mapping you are trying to save was edited and saved by another user while you were editing it.</p> <p>Click "Discard Changes" to discard your current changes and close the "Edit Mapping" window.</p> <p>-OR-</p> <p>Click "Cancel" to keep the "Edit Mapping" window open. This will allow you to make a note of your changes before they are discarded. Once you are done, click "Cancel" to close the "Edit Mapping" window.</p>	N/A
ETL Set	Issue	<p>Creating an expression to populate a column for a table using other tables would sometime return the correct value when testing the expression, but fail to populate the column when the task was run.</p>	18266
Changing the schema in the Landing Area	Issue	<p>When changing the name of the schema in the Landing Area connection settings, the Edit Mappings window would display the new schema, but the ETL would still contain the old schema name after it was regenerated.</p>	183655

Component/Process	Type	Description	Ref #
Upgrading from Compose for Data Warehouses 6.4 GA or 6.4 SP01.	Issue	When a table had a foreign key to another table and the same column name was used for each table's primary key, the following model validation error would be encountered, even though the model was valid: <code>Referencing attribute causing duplicate column name ...</code>	191945
Upgrading from Compose for Data Warehouses 6.4 GA or 6.4 SP02.	Issue	When generating ETLs for mappings with lookups, the following error would be encountered: Mapping Map_XXXXXX lookup condition expression is incorrect : ORA-00904: "source"."SOURCE_ID": invalid identifier.	192605
UI - Attribute Editing	Issue	Editing attribute names in the model would fail with an error or revert to the previous name.	CMPS-7913
Change Processing	Issue	Entity relationships would not be handled properly during Change Processing tasks.	193368
Reusable Transformations	Issue	Changes would not be saved when updating information in Reusable Transformations.	193536
Data Marts UI	Enhancement	Improved UI performance when selecting Facts and Dimensions for a Star Schema.	191940
Deployment	Issue	Deploying a project to the production environment would fail with the error: reference not set to an instance of an object	195403

Component/Process	Type	Description	Ref #
Import	Issue	Importing a model from another project when selecting all entities and mappings would not work.	194636
ETL Settings	Issue	When the Default History Resolution ETL setting was set to days, multiple history records would be created in the satellite table instead of just one.	195135
Monitor	Issue	Clicking the value in the Inserted Rows column would not work when a database other than data warehouse was specified (using the Create tables in database option in the data mart settings).	194244
UI - Search	Issue	In the Manage Data Marts window, the Search box for finding existing entities did not work.	193285
UI - Search	Issue	In the Manage ETL > Mappings and Single Table ETL tabs, entering text in the Search box would only filter the Entity column instead of all columns.	194395
UI - Scroll	Issue	When viewing the Data Warehouse > Manage window in Microsoft Internet Explorer, the vertical scroll bar would not scroll to the bottom of the list.	193287
Hub UPDATEs on Amazon Redshift and Snowflake	Issue	With Type 1 attributes, a separate UPDATE statement would be executed for every column (instead of a single UPDATE statement for the entire Hub).	196509
History resolution	Issue	When the default history resolution ETL setting was set to days, a record would be inserted in the satellite table every time a change occurred, instead of just one record being inserted for the last change.	195135

Component/Process	Type	Description	Ref #
Data marts	Issue	An error about the column name not being unique would be encountered when updating a transactional fact table, even though the column name was in fact unique.	196262
ETL Sets	Issue	Vertical scrolling in the Manage ETL Sets window would not work properly.	192550
Discover	Enhancement	See Qlik Compose for Data Warehouses 6.5 Release Notes - November 2019 .	187832 161075 188383

Known Issues

The following are the known issues in this release.

Component/Process	Description	Ref #
DDL Scripts	<p>Some of the DDL scripts contain the database name and some do not.</p> <p>If you need to run the scripts manually, make sure to run them on the database specified in the script.</p>	CMPS-2922
Data Marts	<p>A data mart that is not valid will change its status to valid if the Attunity Compose service is restarted.</p>	CMPS-3665
Pivot Table	<p>When the same column is included in two different dimensions, the pivot table shows the wrong data.</p>	CMPS-3995
Running Adjust Scripts on Microsoft Azure SQL Data Warehouse	<p>Adjust scripts that need to be run manually start with DROP CONSTRAINT, which causes them to fail.</p> <p>Workaround:</p> <p>Edit the script to remove the DROP CONSTRAINT section and then run it.</p>	CMPS-7015